Ibrahim Mohideen SP

AspiringDataScientist—AI/MLEnthusiast

+91 9345194925. spibrahimmohideen@gmail.com Chennai, Tamilnadu
https://www.linkedin.com/in/ibrahimmohideen-490b16280 https://github.com/IbrahimMohideenSP

Professional Summary

Aspiring AI & Data Science professional with strong academic grounding and practical experience in machine learning, deep learning, and data-driven problem solving. Skilled in building intelligent systems with Python, TensorFlow, and modern AI frameworks. Eager to contribute to innovative, high-impact projects in dynamic, global tech environments.

Skills

Programming: Python, SQL, R (Basics),C,C++,JAVA(Basics)
ML/DL: Scikit-learn, TensorFlow, CNN, SARIMAX, XGBoost,RRN,NLP,LLMs,OpenCV
Visualization: Power BI, Tableau (Basics), Matplotlib, Seaborn
Data Tools: Pandas, NumPy, Jupyter, Streamlit, Spark, Kafka
Soft Skills: Communication, Problem Solving, Project Management

Technical Experience

Machine Learning Intern – TechnoHacks Solutions Pvt. Ltd. (Apr 2025 – Apr 2025)

Worked on various supervised and unsupervised learning models with Python and Scikit-learn.Demonstrated strong consistency, project execution, and technical understanding.

Machine Learning Intern – NSP Nexus (May 2025 – Jun 2025)

Worked on end-to-end ML pipelines including data preprocessing, model training, and evaluation.
Engaged in team-based projects focused on classification and forecasting tasks.Improved hands-on proficiency with industry tools like NumPy, Pandas, and Matplotlib.

Data Science & Automation Intern – Keystone Automation Solutions Pvt. Ltd., Chennai (Jun 2025 – July2025)

- Contributed to a client-focused Production Efficiency and Reporting System as part of the Data Science project team.
- Assisted in project documentation and analytics for tracking performance KPIs and process metrics.
- Gained practical exposure to data pipelines, reporting automation, and real-time efficiency monitoring.

Projects

•Face Anti-Spoofing Authentication System (CNN, TensorFlow/Keras, OpenCV, Streamlit)

Developed a real-time facial liveness detection system to prevent spoofing attacks (e.g., photo/video) for secure authentication. Achieved high reliability using CNN-based classification trained on a custom-labeled dataset. Integrated into a Streamlit interface for live webcam detection.

•AI-Powered Healthcare & COVID-19 Analysis (Random Forest, DBSCAN, BERT, Python, Pandas)

Developed a triadic system that integrates the classification of patients, the clustering of infection hotspots, and the real-time detection of social media sentiment and misinformation through the utilization of Random Forest, DBSCAN, and BERT.

• Sales Forecasting utilizing SARIMAX (SARIMAX, LSTM, Python, Numpy, Pandas, Streamlit)

Engineered a sophisticated time series forecasting model employing SARIMAX and LSTM to effectively capture seasonal patterns, achieving an impressive accuracy exceeding 95%. This advancement facilitated informed strategic business decisions and enhanced inventory planning

• Diabetes Prediction (SVM, GridSearchCV, StandardScaler, Joblib, Python,Scikit-learn)

Created a health screening model using SVM, identifying diabetic patients based on PIMA dataset inputs. Tuned hyperparameters with GridSearchCV and deployed model for real-time predictions

• **Car Price Prediction (XGBoost, Random Forest, Pandas, Scikit-learn)**

Developed a regression model to predict second-hand car prices based on features like year, mileage, and fuel type. Improved prediction with feature cleaning and ensemble models and evaluated performance using R^2 Score, RMSE, and MAE for accuracy and reliability.

• **Handwritten Digit Recognition (TensorFlow, CNN, OpenCV)**

Built a CNN-based digit classifier using MNIST dataset. Integrated OpenCV for image preprocessing and prediction testing.

• **Kaipullai – Local LLM-Based AI Assistant (Python, Streamlit, Ollama, Mistral/Gemma, LLM APIs)**

Developed a locally hosted AI assistant integrating open-source LLMs for real-time offline response generation
Engineered Streamlit-based interface with prompt chaining and token-wise response streaming for natural interaction
Leveraged Ollama backend with quantized models (e.g., mistral:7b-q4_K_M) for CPU-efficient inference and fast replies.

Github: https://github.com/IbrahimMohideenSP

Education

B.S. AbdurRahmanCrescentInstituteofScienceandTechnology,Chennai Aug2023–June2027

B.TechinArtificialIntelligenceandDataScience *Chennai,India*

- **Majors:** MachineLearning,DeepLearning,DataStructuresandAlgorithms,ArtificialIntelligence,DataMining, NaturalLanguageProcessing,PythonProgramming.

ST.Joseph's Matric.Hr.Sec.School,Tenkasi May2021–May2022

ClassXII(State Board) *Tenkasi,India*

- **Subjects:**Mathematics,Physics,Chemistry,Biology,English.

Courses and Certifications

- Python 3.4.3 – IIT Bombay
- Intermediate SQL – HackerRank
- Learning Data Mining with R – Infosys Springboard
- JOY OF PYTHON – NPTEL
- Linux Training – IIT Bombay (Score: 83.33%)
- DSA in Python – Infosys Springboard
- Deep learning -scaler
- Generative AI for Beginners - Great Learning